

## Contents Volume 34 1996

### Volume 34 No. 1 1996

- AKONDÉ, T.P., LEIHNER, D.E. and STEINMÜLLER, N. / Alley cropping on an Ultisol in subhumid Benin. Part 1: Long-term effect on maize, cassava and tree productivity 1-12
- LEIHNER, D.E., ERNST-SCHAE BEN, R., AKONDÉ, T.P. and STEINMÜLLER, N. / Alley cropping on an Ultisol in subhumid Benin. Part 2: Changes in crop physiology and tree crop competition 13-25
- CANNELL, M.G.R., VAN NOORDWIJK, M. and ONG, C.K. / The central agroforestry hypothesis: the trees must acquire resources that the crop would not otherwise acquire 27-31
- GOH, K.M., MANSUR, I., MEAD, D.J. and SWEET, G.B. / Biological nitrogen fixing capacity and biomass production of different understorey pastures in a *Pinus radiata*-pasture agroforestry system in New Zealand 33-49
- GREGORY, P.J. / Approaches to modelling the uptake of water and nutrients in agroforestry systems 51-65
- HUNTSINGER, L. / Grazing in a California silvopastoral system: effects of defoliation season, intensity, and frequency on deerbrush, *Ceanothus integrerrimus* Hook. & Arn. 67-82
- LAWRENCE, D.C. / Trade-offs between rubber production and maintenance of diversity: the structure of rubber gardens in West Kalimantan, Indonesia 83-100
- MORRISON, B.J., GOLD, M.A. and LANTAGNE, D.O. / Incorporating indigenous knowledge of fodder trees into small-scale silvopastoral systems in Jamaica 101-117

### Volume 34 No. 2 1996

- AMARA, D.S., SANGINGA, N., DANSO, S.K.A. and SUALE, D.S. / Nitrogen contribution by multipurpose trees to rice and cowpea in an alley cropping system in Sierra Leone 119-128
- BÂ, A.M. and GUISSOU, T. / Rock phosphate and vesicular-arbuscular mycorrhiza effects on growth and nutrient uptake of *Faidherbia albida* (Del.) seedlings in an alkaline sandy soil 129-137
- BHOJVAID, P.P., TIMMER, V.R. and SINGH, G. / Reclaiming sodic soils for wheat production by *Prosopis juliflora* (Swartz) DC afforestation in India 139-150
- FUJISAKA, S., HURTADO, L. and URIBE, R. / A working classification of slash-and-burn agricultural systems 151-169

NIANG, A., UGIZIWE, J., STYGER, E. and GAHAMANYI, A. / Forage potential of eight woody species: intake and growth rates of local young goats in the highland region of Rwanda	171-178
RACE, D. and CURTIS, A. / Farm forestry in Australia: review of a national program	179-192
TORQUEBIAU, E.F. and KWESIGA, F. / Root development in a <i>Sesbania sesban</i> fallow-maize system in Eastern Zambia	193-211
<i>Short communication</i>	
MONTEUUIS, O. / <i>In vitro</i> shoot apex micrografting of mature <i>Acacia mangium</i>	213-217
Book reviews	219-227
Announcement	228

### Volume 34 No. 3 1996

DEN BIGGELAAR, C. and GOLD, M.A. / Development of utility and location indices for classifying agroforestry species: the case of Rwanda	229-246
DHYANI, S.K., CHAUHAN, D.S., KUMAR, D., KUSHWAHA, R.V. and LEPCHA, S.T. / Sericulture-based agroforestry systems for hilly areas of north-east India	247-258
EASON, W.R., GILL, E.K. and ROBERTS, J.E. / Evaluation of anti-sheep tree-stem-protection products in silvopastoral agroforestry	259-264
NJITI, C.F. and GALIANA, A. / Symbiotic properties and <i>Rhizobium</i> requirements for effective nodulation of five tropical dry zone acacias	265-275
DE JONG, W. / Swidden-fallow agroforestry in Amazonia: diversity at close distance	277-290
MENZ, K.M. and GRIST, P. / Increasing rubber planting density to shade <i>Imperata</i> : a bioeconomic modelling approach	291-303
SHARROW, S.H., CARLSON, D.H., EMMINGHAM, W.H. and LAVENDER, D. / Productivity of two Douglas fir/subclover/sheep agroforests compared to pasture and forest monocultures	305-313
TARAWALI, G., JII, P.A., CHIONUMA, P.C. and OBOT, U. / Herbage yield and quality of <i>Gliricidia sepium</i> under different cutting heights and defoliation frequencies	315-326
Volume contents	327-328
Author index	329
Instructions to authors	331-335

